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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s selective hydrogenation/ct
L1 1151 SELECTIVE HYDROGENATION/CT

=> s (catalyst (l) nickel (l) (gold or chromium))/lt
98133 CATALYST/LT
21763 NICKEL/LT
1914 GOLD/LT
13501 CHROMIUM/LT
L2 2954 (CATALYST (L) NICKEL (L) (GOLD OR CHROMIUM))/LT

=> s l1 and l2
L3 45 L1 AND L2

=> d 1-45

L3 ANSWER 1 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 2001:1563 ENCOMPAT;ENCOMPAT2
DN P200102007
TI Selective hydrogenation of acetylenic or dienic hydrocarbons comprises use of bimetallic catalyst containing Group VIII metal and additional element introduced as water-soluble organometallic precursor
IN BRUNARD N; DIDILLON B; LE PELTIER F; MORIN S
PA INST FRANCAIS DU PETROLE
PI FR 2792645 20001027
AI FR 1999-5290 19990426
PRAI FR 1999-5290 19990426
OS DERWENT 2001042594

L3 ANSWER 2 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 1999:9618 ENCOMPAT;ENCOMPAT2
DN 9915831
TI Production of polymer grade olefins from oxygenate feedstocks
IN MARKER T L
PA UOP LLC
PI US 5914433 19990622
AI US 1997-898283 19970722
PRAI US 1997-898283 19970722
OS DERWENT 99384193

L3 ANSWER 3 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 1999:6903 ENCOMPAT;ENCOMPAT2
DN 9911506
TI Selective hydrogenation of unsaturated compounds in presence of catalyst

IN DIDILLON B; LE PELTIER F
 PA INST FRANCAIS DU PETROLE
 PI EP 913453 19990506
 DS AL; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LT; LU; LV;
 MC; MK; NL; PT; RO; SE; SI
 AI EP 1998-402680 19981027
 PRAI FR 1997-13687 19971031
 OS DERWENT 99256617
 LA French

L3 ANSWER 4 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 1998:4870 ENCOMPAT;ENCOMPAT2
 DN 9810965
 TI Crude petrol purification - by selective hydrogenation followed by
 stabilisation and sweetening to produce petrols suitable as automobile
 fuels
 IN CAMERON C; CHAPUS T; DIDILLON B; MARCILLY C
 PA INST FRANCAIS DU PETROLE
 PI EP 831140 19980325
 DS AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 AI EP 1997-402086 19970908
 PRAI FR 1996-11692 19960924
 OS DERWENT 98170967
 LA French

L3 ANSWER 5 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 94:2170 ENCOMPAT;ENCOMPAT2
 DN 9410728
 TI Shell catalyst made by physical or chemical vapour deposition of alloy on
 moulding - for easy control of shell thickness to increase activity and
 selectivity, e.g. in hydrogenation, oxidn. or isomerisation
 IN HARTH K; HIBST H; HOELDERICH W; LAUTH G; GUENTER L
 PA BASF AG
 PI EP 576944 940105
 DS BE; CH; DE; FR; GB; IT; LI; NL
 AI EP 1993-109837 930621
 PRAI DE 1992-4221011 920626
 OS DERWENT 94009267
 LA German

L3 ANSWER 6 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 93:99 ENCOMPAT;ENCOMPAT2
 DN 9310016
 TI Pretreatment of hydrocarbon charges for aromatisation - by removing
 arsenic and mercury contaminants
 IN BARTHEL Y; BOITIAUX J P; CAMERON C; COSYNS J; SARRAZIN P
 PA INST FRANCAIS DU PETROLE
 PI FR 2673192 920828
 AI FR 1991-2444 910227
 PRAI FR 1991-2444 910227
 OS DERWENT 92351675

L3 ANSWER 7 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 93:98 ENCOMPAT;ENCOMPAT2
 DN 9310015
 TI Pretreatment of hydrocarbon charges for de-aromatisation - by reacting
 mixt. of hydrogen and charge in presence of arsenic support contg. metal
 and contacting charge with mercury absorbent
 IN BARTHEL Y; BOITIAUX J; CAMERON C; COSYNS J; SARRAZIN P
 PA INST FRANCAIS DU PETROLE
 PI FR 2673191 920828
 AI FR 1991-2443 910227
 PRAI FR 1991-2443 910227
 OS DERWENT 92351674

L3 ANSWER 8 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
 AN 92:9371 ENCOMPAT;ENCOMPAT2

DN 9212621
TI Redn. of refining catalysts before use - by incorporation of organic
reducing agents by absorption
PA Eurecat Euro Retraitement Cata
PI EP 507658 921007
DS AT; BE; DE; GR; LU; MC; NL; PT
PRAI FR 1991-4226 910404
OS DERWENT 92333864

L3 ANSWER 9 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 91:1775 ENCOMPAT;ENCOMPAT2
DN 9150692
TI Oxidative dehydrogenation of pentane esp. isoamylene - to isoprene in
mixt. contg. butane(s) butene(s) etc., using zinc ferrite catalyst
PA Texas Petro-Chem Co
PI US 4973793 901127
PRAI US 1989-363591 890608
OS DERWENT 90375443

L3 ANSWER 10 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 91:708 ENCOMPAT;ENCOMPAT2
DN 9110233
TI Prodn. of oxide(s) or mixed crystals contg. metals - from aq. solns.
pyro-hydrolyser for prodn. of catalysts
PA Masch Andritz AG
PI EP 397644 901114
DS DE; DK; FR; GB
PRAI AT 1989-1101 890509
OS DERWENT 90343571

L3 ANSWER 11 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 90:4878 ENCOMPAT;ENCOMPAT2
DN 9010926
TI Simultaneous hydrodehalogenation of satd. and unsatd. halogenated org. -
by hydrogenating unsatd. cpds., mixing with satd. cpds. and hydrogenating,
and scrubbing with aq. soln. to remove inorganic halide cpds
PA UOP
PI US 4899001 900206
PRAI US 1988-274225 881121
OS DERWENT 90091157

L3 ANSWER 12 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 87:6870 ENCOMPAT;ENCOMPAT2
DN 8753246
TI SELECTIVE HYDROGENATION OF ALKYNE IN ALKENE - WITH CATALYST COMPRISING
CATALYTIC METAL DEPOSITED ON SUPPORT THAT HAS BEEN TREATED WITH ALKOXIDE
PA DOW CHEMICAL CO
PI US 4686314 870811
PRAI US 1985-809544 851216
OS DERWENT 87242307

L3 ANSWER 13 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 84:9110 ENCOMPAT;ENCOMPAT2
DN 8452940
TI SELECTIVELY HYDROGENATING ACETYLENE(S) IN PRESENCE OF BUTADIENE - USING
CATALYST COMPRISING COPPER AND ACTIVATOR METALS ON GAMMA ALUMINA
PA DOW CHEMICAL CO
PI US 4440956 840403
PRAI US 1983-473293 830308
OS DERWENT 84100914

L3 ANSWER 14 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 83:2042 ENCOMPAT;ENCOMPAT2
DN 8311706
TI BENZENE MFR. FROM FRACTION CONTG. AROMATICS AND SULPHUR - BY
HYDRODESULPHURISATION WITHOUT HYDROGEN SULPHIDE REMOVAL, AND
HYDRODEALKYLATION

PA * INSTITUT FRANCAIS DU PETROLE DES
PI DE 3300426 830714
PRAI FR 1982-273 820107
OS . DERWENT 83712619

L3 ANSWER 15 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 83:1609 ENCOMPAT;ENCOMPAT2
DN 8311205
TI CATALYST FOR HYDROGENATION OF MEDIUM PETROLEUM FRACTIONS - CONTG. CHROMIUM
OXIDE, NICKEL OXIDE AND RHENIUM ON GAMMA-ALUMINA CARRIER
PA PETROCHEM PROCESS
PI SU 936990 820623
PRAI SU 1980-924873 800904
OS DERWENT 8341035K

L3 ANSWER 16 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 82:6505 ENCOMPAT;ENCOMPAT2
DN 8251376
TI SELECTIVE HYDROGENATION OF POLYNUCLEAR AROMATICS - OVER ZINC TITANATE
CATALYST.
PA PHILLIPS PETROLEUM CO
PI US 4313017 820126
PRAI US 1980-221121 801229
118834 800205
OS DERWENT 8211851E

L3 ANSWER 17 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 82:1116 ENCOMPAT;ENCOMPAT2
DN 8211160
TI REFINING AROMATIC HYDROCARBON(S) BY CATALYTIC HYDROGENATION - USING A
TWO/STAGE PROCESS AND MAINTAINING TEMP. OF FIRST CATALYST BED WITHIN
SPECIFIED LIMITS
PA NIPPON STEEL CHEM KK; JGC CORP
PI JP 57050930 820325
PRAI JP 1980-126967 800912
OS DERWENT 8236012E

L3 ANSWER 18 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 81:5470 ENCOMPAT;ENCOMPAT2
DN 8150274
TI SELECTIVE PROPYNE AND PROPADIENE HYDROGENATION IN EXCESS PROPYLENE - USING
SUPPORTED TWO-LAYER PALLADIUM CATALYST ON MACROPOROUS ALUMINA SUPPORT
PA VEB GROTEWOHL O BOH
PI DE 3010289 801030
OS DERWENT 8079097C

L3 ANSWER 19 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 81:1972 ENCOMPAT;ENCOMPAT2
DN 8112379
TI METAL-CARRYING SUPER FINE GRANULAR CATALYST E.G. WHITE CARBON - USED FOR
HYDROGENATION AND DESULPHURISATION OF E.G. MINERAL OILS
PA CHIYODA CHEM ENG CO
PI JP 56065636 810603
PRAI JP 1979-139883 791031
OS DERWENT 8152686D

L3 ANSWER 20 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 80:632 ENCOMPAT;ENCOMPAT2
DN 8011013
TI PURIFICATION OF THERMAL CRACKING GASOLINE - INCLUDES HYDROGENATION OVER
METAL, E.G. COPPER, CHROMIUM, MOLYBDENUM, NICKEL, TUNGSTEN OR PALLADIUM ON
ALUMINA
PA NIPPON OIL KK
PI JP 55023165 800219
PRAI JP 1978-96874 780809
OS DERWENT 8024243C

L3 ANSWER 21 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 80:14 ENCOMPAT;ENCOMPAT
DN 8010030
TI CONVERTING UNSATD. HYDROCARBON(S) TO NORMAL-BUTANE - FOR ETHYLENE PRODN.,
BY HYDROGENATION, SEPN., AND ISOMERISATION
PA STONE + WEBSTER ENG CORP
PI GB 2018815 791024
PRAI US 1978-927919 780725
896460 780414
OS DERWENT 7977801B

L3 ANSWER 22 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 79:1389 ENCOMPAT;ENCOMPAT2
DN 7912118
TI REGENERATING GRANULAR CATALYST FOR HYDROGENATION, POLYMERISATION, ETC. -
USING AROMATIC-HYDROCARBON-FREE WASH LIQ. CONTG. OLEFIN AND/OR PARAFFIN
PA NIPPON PETROCHEMICAL KK
PI JP 54087693 790712
PRAI JP 1977-155398 771223
OS DERWENT 7962222B

L3 ANSWER 23 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 79:1282 ENCOMPAT;ENCOMPAT2
DN 7911945
TI METAL FLUORIDE AND OXYFLUORIDE CPDS. PRODN. - WITH LARGE EFFECTIVE SURFACE
AREA BY FLUORINATION OF METAL OXIDE WITH FLUOROCARBON CPD.
PA EXXON RESEARCH + ENGINEERING CO
PI DE 2900854 790719
PRAI US 1978-869776 780116
OS DERWENT 7954842B

L3 ANSWER 24 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 79:456 ENCOMPAT;ENCOMPAT2
DN 7910649
TI HYDROGEN CYANIDE REMOVAL FROM SYNTHESIS GAS BEFORE WASHING - BY SELECTIVE
CATALYTIC HYDROGENATION
PA BASF AG
PI DE 2733105 790118
PRAI DE 1977-2733105 770722
OS DERWENT 7906139B

L3 ANSWER 25 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 77:1026 ENCOMPAT;ENCOMPAT2
DN 7711442
TI PRODN. OF AROMATICS OF HIGH ETHYL-BENZENE TO XYLENES RATIO - BY
HYDROCARCKING NAPHTHALENE-TYPE CPDS. OBTD. FROM THE LIGHT GAS OIL
BYPRODUCT OF PYROLYSIS PROCESSES
PA ATLANTIC RICHFIELD CO
PI US 4022681 770510
PRAI US 1975-644252 751224
OS DERWENT 7736041Y

L3 ANSWER 26 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 76:1541 ENCOMPAT;ENCOMPAT2
DN 7612254
TI HIGH ACTIVITY HYDROGENATION CATALYSTS - BY TREATMENT OF SUPPORTED
TRANSITION METALS WITH METAL ALKYL ETC
PA EXXON RESEARCH + ENGINEERING CO
PI US 3978149 760831
PRAI US 1975-596584 750717
OS DERWENT 7670351X

L3 ANSWER 27 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 75:1547 ENCOMPAT;ENCOMPAT2
DN 7512238
TI SULPHIDED, ORGANOALUMINIUM-ACTIVATED HYDROGENATION CATALYSTS - WITH HIGH
ACTIVITY UNDER EXTREMELY MILD CONDITIONS

PA · EXXON RESEARCH + ENGINEERING CO
PI US 3907705 750923
PRAI US 1973-349112 730409
OS · DERWENT 7567083W

L3 ANSWER 28 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 75:694 ENCOMPAT;ENCOMPAT2
DN 7510998
TI RAISING VISCOSITY INDEX OF HYDROCRACKED LUBRICATING OILS - BY
HYDROGENATION OF LIGHT FRACTION AND REBLENDING WITH HEAVY FRACTION
PA TEXACO INC
PI US 3870622 750311
PRAI US 1973-373332 730625
OS DERWENT 7520813W

L3 ANSWER 29 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 75:35 ENCOMPAT;ENCOMPAT2
DN 7510059
TI TREATING HEAVY OIL BY - PRODUCT FRACTIONS
PA GOMI S
PI US 3844932 741029
PRAI JP 1969-99046 691211
011341 700223
011342
OS DERWENT 7143193S

L3 ANSWER 30 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 74:1264 ENCOMPAT;ENCOMPAT2
DN 7411878
TI AROMATIC FREE GASOLINES AND SOLVENT BENZINES - FREE FROM SULPHUR AND
NITROGEN CPDS. BY TWO-STAGE HYDROGENATION
PA BASF AG
PI NL 7400991 740806
PRAI DE 1973-2305143 730202
OS DERWENT 7460975V

L3 ANSWER 31 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 73:5540 ENCOMPAT;ENCOMPAT2
DN 7353188
TI SELECTIVE HYDROGENATION OF ALKYNES - IN DIENE STREAMS OVER COPPER
CATALYSTS, IN PRESENCE OF CARBON MONOXIDE
PA DOW CHEMICAL CO
PI NL 7115019 730503
PRAI NL 1971-15019 711101
OS DERWENT 7329291U

L3 ANSWER 32 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 73:2006 ENCOMPAT;ENCOMPAT2
DN 7320616
TI NON-STAINING EXTENDING OIL - FOR RUBBER, BY TWO-STAGE HYDROGENATION OF
NAPHTHENIC LUBE OILS
PA ATLANTIC RICHFIELD CO
PI CA 922038 730227
PRAI CA 1970-71387 700105
OS DERWENT 7314332U

L3 ANSWER 33 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 73:1289 ENCOMPAT;ENCOMPAT2
DN 7311798
TI HYDROCARBON CONVERSION CATALYST PROD - USING CONTROLLED TEMP CALCINATION
PROCESS TO INCREASE PRODUCT ACTIVITY
PA UNION OIL CO OF CALIFORNIA
PI US 3755147 730828
PRAI US 1971-148194 710528
OS DERWENT 7353747U

L3 ANSWER 34 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER

AN 73:613 ENCOMPPAT;ENCOMPP
DN 7310826
TI HYDROCRACKING CATALYST - FOR PRODN OF PROPANE
PA SOCIETE FRANCAISE DES PETROLES BP
PI FR 2141584 730126
PRAI FR 1971-22089 710617
OS DERWENT 7318914U

L3 ANSWER 35 OF 45 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 72:4351 ENCOMPPAT;ENCOMPPAT2
DN 7211231
TI SELECTIVE HYDROGENATION OF ACETYLENES - IN PYROLYSIS GAS STREAMS IMPROVED
BY ADDN OF CARBON DISULPHIDE
PA GULF OIL CORP
PI US 3691248 720912
PRAI US 1971-109037 710122
OS DERWENT 7262159T

L3 ANSWER 36 OF 45 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 72:2170 ENCOMPPAT;ENCOMPPAT2
DN 7201345
TI PREPN OF AROMATICS FROM PYROLYSIS GASOLINE BY HYDROCRACKING OVER ACIDIC
ZEOLITE-CONTG CATALYST
PA INSTITUT FRANCAIS DU PETROLE DES CAR
PI FR 2080014 711112
PRAI FR 1970-6092 700219
OS DERWENT 7208844T

L3 ANSWER 37 OF 45 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 72:1925 ENCOMPPAT;ENCOMPPAT2
DN 7201084W
TI PREPN OF AROMATICS FROM PYROLYSIS GASOLINE BY HYDROCRACKING PRECEDED BY
TWO-STAGE HYDROGENATION
PA INSTITUT FRANCAIS DU PETROLE DES CAR
PI FR 2076358 711015
PRAI FR 1970-975 700112
OS DERWENT 7205390T

L3 ANSWER 38 OF 45 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 72:1924 ENCOMPPAT;ENCOMPPAT2
DN 7201084U
TI PREPN OF AROMATICS FROM PYROLYSIS GASOLINE BY HYDROCRACKING PRECEDED BY
TWO-STAGE HYDROGENATION
PA INSTITUT FRANCAIS DU PETROLE DES CAR
PI FR 2076358 711015
PRAI FR 1970-975 700112
OS DERWENT 7205390T

L3 ANSWER 39 OF 45 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 72:1923 ENCOMPPAT;ENCOMPPAT2
DN 7201084S
TI PREPN OF AROMATICS FROM PYROLYSIS GASOLINE BY HYDROCRACKING PRECEDED BY
TWO-STAGE HYDROGENATION
PA INSTITUT FRANCAIS DU PETROLE DES CAR
PI FR 2076358 711015
PRAI FR 1970-975 700112
OS DERWENT 7205390T

L3 ANSWER 40 OF 45 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 72:1220 ENCOMPPAT;ENCOMPPAT2
DN 7200483
TI PREPN OF FLUORINATED HYDROCARBON CONVERSION CATALYSTS
PA TEXACO DEVELOPMENT CORP
PI BE 768677 711217
PRAI US 1970-49896 700625
049897 700625
049898 700625

049899 700625
OS DERWENT 7181348S

L3 ANSWER 41 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 69:3716 ENCOMPAT;ENCOMPAT2
DN 6906919S
TI A CATALYST FOR THE SELECTIVE HYDROGENATION OF DIOLEFINS AND ACETYLENES IN
MONOOLEFINS
PA ENGELHARD P A; WEISANG J E
PI US 3444256 690513
PRAI FR 660218

L3 ANSWER 42 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 68:5970 ENCOMPAT;ENCOMPAT2
DN 6811111
TI A CATALYST FOR THE HYDROGENATION OF DIOLEFINS AND ACETYLENES IN OLEFINS IS
PREPARED
PA COMPAGNIE FRANCAISE DE RAFFINAGE; ENGELHARD P; WEILL J L; WEISANG E
PI US 3404101 681001
PRAI FR 640605

L3 ANSWER 43 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 68:2855 ENCOMPAT;ENCOMPAT2
DN 6805259
TI A SELECTIVE HYDROGENATION CATALYST
PA COMPAGNIE FRANCAISE DE RAFFINAGE
PI FR 1516996 680315
PRAI 670131

L3 ANSWER 44 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 68:2145 ENCOMPAT;ENCOMPAT2
DN 6803952
TI A SELECTIVE HYDROGENATION CATALYST
PA COMPAGNIE FRANCAISE DE RAFFINAGE
PI FR 1513582 680216
PRAI 670106

L3 ANSWER 45 OF 45 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER
AN 66:6282 ENCOMPAT;ENCOMPAT2
DN 6611181
TI NITRIC OXIDE IS REMOVED FROM AN OLEFIN-CONTAINING HYDROCARBON MIXTURE
PA FARBWERKE HOECHST AG; HIRSCHBECK J; RIEDL J;
PI US 3274281 660920
PRAI DE 621207